



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanically compatible with
Waveguide
Flange

IEC 61169-35
RPC-3.5, SMA
WR 42
UBR 220

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Stainless steel
Brass
PEEK

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
AuroDur®, gold plated

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RF_35/09.14/6.2

Electrical data

Impedance	50 Ω
Frequency	17.5 GHz to 26.5 GHz
Return loss	≥ 19 dB @ 17.5 GHz to 26.5 GHz
Insertion loss	≤ 0.06 x √f [GHz] dB

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
radial	≥ 1 Ncm
Coupling torque (recommended)	≤ 1.65 Nm
Recommended torque	0.8Nm to 1.1 Nm

Environmental data

Temperature range	-55 ° C to +155 ° C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion resistance	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Packing

Standard	1 pcs/box
Weight	41 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checked	Approved	Date	Rev	Engineering change number	Name	Date
Binhong Xi	26/12/18	QIAO	JEFF	16/01/19	c00	19-s001	Binhong	16/01/19